



APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component Title: Relays, latching, Types GP 250 and GP2

Appl. No.

Executive Member: CNES

Date: 21/04/2026

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Components (including series and families) submitted for Extension of Qualification Approval:					1
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3602 003	01 to 06	Coil Voltages : 12 and 26.5V	Type GP2	-	
3602 010	01 to 06	Coil Voltages : 12 and 26.5V	Type GP250	36020100326V 36020100126V 36020100226V	Other variants
Component Manufacturer LEACH International Europe		Location of Manufacturing Plant(s) 2 rue Goethe 57430 Sarralbe		Date of original qualification approval: Date: 09/2019 Certificate Ref No. 362	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3602 Issue: 5 Detail(s): 3602 003 Issue: 10 3702 010 Issue: 8		Deviations to LVT testing and Detail Specification used: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (supply details in Box 15) Deviation from current Specifications: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (Supply details)		Qualification Extension Report reference and date: RT_1469293 10/09/2025 RT_1502427 14/01/2026	
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first)					8
Project Name	Testing Level	LAT	Date code	Quantity Delivered	
MOQ GP250 2025.docx				GP2: 64 GP250: 3039	
PID changes since start of qualification		Current PID Verified by: CNES		10	
None <input type="checkbox"/>		Name of Executive Representative			
Minor* <input checked="" type="checkbox"/>		Ref No: DR_1173363 (GP2) DR_1163959 (GP250)			
Major* <input type="checkbox"/> *Provide details in box:		Issue: 6 8			
19		Rev Date: 25/09/2025 05/03/2025			
Current Manufacturing facilities surveyed by: CNES on 18/10/2022					11
(Name of Executive Representative) (Date)					
Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain					
Report Reference: 2022.0014775-CR-Fontaine-Qualifications -LEACH-Septembre-2022					



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Non-compliance to ESCC requirements:

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No.:	Specification	Paragraph	Non compliance

Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of Non-compliance:

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Executive Manager Disposition


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Application Yes No

Approval:

Action / Remarks:

Date: 29/05/2026


A. Zadeh - Head of the Avionics and EEE Division



ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION

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Tests conducted in compliance with:

- ESCC 3702 generic specification; Chart F4 (for ESCC/QPL parts);
- or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

36020100326V DC 24-49A
 36020100126V DC 25-02A
 36020100226V DC 23-48A

Detail Specification reference: 3602/003 issue 10 & 3602/010 issue 8

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental / Mechanical Subgroup (Column 1)	Thermal Shock	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 107	24-49A	6	0	
	Low Level Sine Vibration	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 204	24-49A	6	0	
	Random Vibration	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 214	24-49A	6	0	
	Low Level Mechanical Shock	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 213	24-49A	6	0	DC from additional tests, see box 22
	Resistance to Soldering Heat	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 210	24-49A	6	0	DC from additional tests, see box 22
	Seal (Fine and Gross Leak)	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 112	24-49A	6	0	
Environmental / Mechanical Subgroup (Column 2)	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	24-49A	6	0	
	High Level Sine Vibration	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 204	24-49A	6	0	
	High Level Mechanical Shock	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 213	24-49A	6	0	
	Seal (Fine and Gross Leak)	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 112	24-49A	6	0	
Endurance Subgroup 1 (Column 1)	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	24-49A	6	0	
	Low Level Life	<input checked="" type="checkbox"/>	ESCC 3602 Para. 8.11.1	24-49A	3	0	
	Inductive Life	<input type="checkbox"/>	ESCC 3602 Para. 8.11.2				Only applicable to relays with Rated Resistive Load Contact Current greater than or equal to 5A.
	Seal (Fine and Gross Leak)	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 112	24-49A	3	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	24-49A	3	0	



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Continued ...

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Endurance Subgroup 1 (Column 2)	Coil Life	<input type="checkbox"/>	ESCC 3602 Para. 8.12				In accordance with detail specification the coil life was not carried out because there is no significant change in design since the relay qualification.
	Seal (Fine and Gross Leak)	<input type="checkbox"/>	MIL-STD-202, Test Method 112				
	External Visual Inspection	<input type="checkbox"/>	ESCC Basic Specification No. 20500				
Endurance Subgroup 1 (Column 3)	Intermediate Current	<input checked="" type="checkbox"/>	ESCC 3602 Para. 8.13	24-49A	3	0	
	Mechanical Life	<input type="checkbox"/>	ESCC 3602 Para. 8.14				Only applicable to relays with Rated Resistive Load Contact Current greater than or equal to 5A.
	Seal (Fine and Gross Leak)	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 112	24-49A	3	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	24-49A	3	0	
Endurance Subgroup 2	Resistive Life	<input checked="" type="checkbox"/>	ESCC 3602 Para. 8.11.3	24-49A 23-48A	6 6	0	
	Seal (Fine and Gross Leak)	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 112	24-49A 23-48A	6 6	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	24-49A 23-48A	6 6	0	
Assembly Capability Subgroup	Solderability	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 208	25-02A 23-48A	3 3	0	
	Overload	<input checked="" type="checkbox"/>	ESCC 3602 Para. 8.16	25-02A 23-48A	3 3	0	
	Permanence of Marking	<input type="checkbox"/>	ESCC Basic Specification No. 24800				Not applicable for laser marking
	Terminal Strength	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 211	25-02A 23-48A	3 3	0	
	Seal (Fine and Gross Leak)	<input checked="" type="checkbox"/>	MIL-STD-202, Test Method 112	25-02A 23-48A	3 3	0	
Additional Tests		<input type="checkbox"/>					
		<input type="checkbox"/>					
		<input type="checkbox"/>					



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NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROVAL

ENTRIES

- Form heading shall indicate: - the title of the component as given in its detail specification or the name of the series, family; - the Executive Member; - the entering date; - the certificate number and its sequential suffix.
- Box 1** shall provide details given in the table; in particular there shall be listed: - the variants or range of variants; - the range of components (the ESCC code is recommended to indicate the values or values range, the tolerance, the voltage, etc); the designation given in the detail specification as 'base on'; - under Test Vehicle enter either an ESCC code or the specific characteristic capable of identifying the component tested (e.g., voltage of coil for a relay); - under component similar enter a cross if relevant.
- Box 2; 3 and 4** As per QPL entry; otherwise, an explanation of the changes must be supplied.
- Box 5** Will show the ESCC Generic and Detail specifications, including issue number and revision letter, current at the time the tests reported were performed. If the specifications are different from those current on the date of the application, see Box 6.
- Box 6** Will show the deviations from the Generic and Detail Specifications listed in Box 5, in particular deviations from testing. In case of deviations this must be listed in Box 15. In case the referenced specification in Box 5 have currently a different issue and/or revision indicate also whether the test data deviates or not from such current documents.
- Box 7** Must reference the report(s) supplied in support of the application.
- Box 8** Should provide the details of procurement to the full ESCC System, documentation of all of which should already have been delivered to the ESCC Executive under the terms of the relevant Generic Specification. An appropriate table has been drawn in this box.
- Box 9** If the PID evolved after the Original Qualification or after the last Extension of Qualification, adequate details of such evolution shall be provided together with the reasons for the changes. Major changes shall be clearly marked.
- Box 10** Identify the current PID issue status, date and actual date of verification. The date of verification of the current PID should be arranged as close as possible to the required date of extension.
- Box 11** This box can be completed only after a physical visit to the plant to confirm that no unexplained changes occurred and that the practices, procedures, material, etc. used in manufacturing the components are as described in the PID. This survey shall be carried out in accordance with the requirements of ESCC Basic Specification No. 20200 and its findings shall be recorded.
- Box 12** Provide details of, or reference to, any Destructive Physical Analysis (DPA) and Failure Analysis reports as well as any Nonconformance(s) (NCCS) occurred during the qualification validity period, stating if established corrective action have produced satisfactory results.
- Box 13** Enter only the name of the Executive Member (i.e., CNES, DLR, ESTEC, etc.) and the signature of the responsible Executive Coordinator.
- Box 14** To be used when there is a need to expand any of the boxes from 1 through 12. Identify box affected and reference the Box 14 in the relevant Box. Box 14 can be broken into 14a, 14b, etc. if several boxes have to be expanded.
- Box 15** Fill in Table as requested.
- Box 16** Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.
- Box 17** All Executive Manager recommendations on the application itself, special conditions or restrictions, modifications of the QPL or QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 19, signed by the representative for ESA, and dated.
- Box 18** Fill in Table as requested.
- Box 19** Confidential Details of PID changes including those of a confidential nature, shall be provided.
- Box 20** State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 16 each nonconformance shall be sequentially numbered. If relevant state 'None'.
- Box 21** Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.
- Box 22** Additional Comments.